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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,722	07/28/2003	Atsushi Watanabe	392.1806	7095
21171	7590	07/29/2005	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			UNDERWOOD, DONALD W	
			ART UNIT	PAPER NUMBER
			3652	

DATE MAILED: 07/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/627,722

Applicant(s)

WATANABE ET AL.

Examiner

Donald Underwood

Art Unit

3652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 05/02/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                                   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>051705</u> .  | 6) <input type="checkbox"/> Other: _____                                    |

### **Detailed Action**

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 5 and 17 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

It is unclear how the command torques are altered in accordance with the type of material, shape or weight of the object.

Applicant's arguments that one would know how to do this has been carefully considered but is not deemed persuasive. At best a reference to a U.S. patent issued before applicant's filing date should be provided.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 1, the newly added phrase "associated with the movable device" renders the claim indefinite since it fails to set forth a positive relationship between the movable device and the detecting means.

Regarding claim 6, "a controller" in line 2 should be correlated with "compensating means" in claim 1.

Regarding claim 7, this claim has the same defect as claim 1. Also "moving means" in line 12 should be correlated with "control means" in line 6 and "movable device" in line 9 since both the control means and moving means can move the robot hand and since the second detecting means is associated with the movable device and the moving means can move the second detecting means.

Regarding claim 12, this claim calls for the first and second detecting means to be the first detecting means thus it should positively correlate the first detecting means with the movable device.

Regarding claim 13, the "moving means" and "control means" have the same defects in this claim as noted above for claim 7. Further "compensating means" should be positively correlated with the "moving means" and "control means".

Regarding claim 18, "a controller" should be correlated with "control means", "moving means" and "compensating means" in claim 13.

Regarding claim 19, this claim has the same defect as claim 1. Further it appears the claim is incomplete since the first sensor and second sensor would not perform calculates as set forth in lines 5 and 9.

Regarding claim 20, this claim has the same defects as claim 19. In addition "movement mechanism" in line 7 and "a second robot" in line 10 should be correlated to define an operative device.

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Regarding claim 21, the phrase "associated the second robot" is at best unclear. It appears the word with has been omitted after associated. More to the point however this phrase even if corrected fails to positively correlate the second robot and second detector thus rendering the claim indefinite.

Regarding claim 22, this claim has the same defect as claim 21.

5. Any inquiry concerning this communication should be directed to D. Underwood at telephone number 571-272-6933.

Underwood/vs  
July 25, 2005

*Ronald W. Underwood* 07/27/05  
RONALD W. UNDERWOOD  
PRIMARY EXAMINER